PowerDNS for WHMCS™

Version 0.103

User Manual

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1. About this manual

This document is divided into the following chapters:

- Chapter 1, About this manual
- Chapter 2, Introduction
- Chapter 3, Describing the system
- Chapter 4, Getting started
- Chapter 5, Using the modules
- Chapter 6, How To
- Chapter 7, Support
- Chapter 8, Todo
- Chapter 9, Update History
- Chapter 10, About Us
- Chapter 11, Terms of Service
- Chapter 12, EULA

1.1 Who Should Use it

This guide is intended for system administrators of a WHMCS-installation.

2. Introduction

In this chapter you will find information on the purpose of PowerDNS for WHMCS™.

2.1 Purpose

The purpose of this document is to define the functionality that is delivered by PowerDNS for WHMCS™. This document serves as the sole reference for the scope of the system.

2.2 Scope

The intended audience for this User Guide is system administrators. This guide describes how to install, configure and operate PowerDNS for WHMCS™.

2.3 System Organization

PowerDNS for WHMCS™ solely runs as a so-called addon of WHMCS. It is not possible to run the script stand-alone. This User Guide applies to the version 0.103, released in the year 2014.

3. Description of the Addon

In this chapter you will find a detailed description of the package, the features, the dependancies and the requirements.

3.1 Description

PowerDNS for WHMCS™ is an addon for the widely used webhosting management system WHMCS.

WHMCS is an all-in-one client management, billing and support solution for online businesses. WHMCS handles everything from signup to termination, with automated billing, provisioning and management. [Source: website WHMCS.]

The PowerDNS authoritative server is the only solution that enables authoritative DNS service for a wide range of databases (including flat text files). [Source: website PowerDNS.]

Mainstream webhosting panels like Plesk, DirectAdmin and Cpanel do not allow management of PowerDNS. With this plug-in your customers and your administrators can manage the domain names very easily.

3.2 Features

The package includes these features:

General

- Automated configuration/ setup of addon
- Automated creation of default template
- Automated discovery of hosted DNS-records on PowerDNS
- Fast database (MySQL) access
- WHMCS look and feel
- addon is fully IPv4 and IPv6-aware (the lather experimental).

Administrator module

- Fast creation, editing and maintenance of zone files
- Easy template management
- Advanced logsystem
- Multi-language setup
- Advanced configuration of addon

- Support tab for quick assistance
- Automated domain recovery

Customer module

- Easy templates management, even if a client has not created own templates
- Multi-language
- Easy to understand module
- Automated setup of DNS when domain only is in WHMCS
- The templates of the customer area can be customized to match the website design
- Only enable rDNS, not full DNS management

PowerDNS for WHMCS™ also includes two hooks

- hooks.php, formerly known as pdns.php, for auto-create zone file when adding (registration or move) domain
- check-pdns.php (cron job) for finding problem domains (currently removed for maintenance)

A cron job script is added to support scheduled zone file changes.

With this module you can also offer your customers DNS Hosting (when they have registered domain elsewhere, but want to use your nameservers).

3.3 Dependencies

The application depends on a working installation of WHMCS with a valid MySQL-database. It also needs at least one functional PowerDNS server installed, either local or remote. This management system runs on any platform, as long PHP and MySQL are available. WHMCS is encoded with Ioncube. Without the special loader WHMCS can not be run.

- You can download WHMCS from their website.
- You can download the Ioncube loader from internet.
- On Linux you can install PowerDNS with every package system (e.g. apt-get, rpm).
- You can download PowerDNS for WHMCS from http://portal.cp-services.nl.

3.4 Requirements

To run WHMCS, including PowerDNS for WHMCS™, you need an internet server with at least 1 GB RAM, 15 GB disk space and one high speed ethernet card.

3.4.1 WHMCS Host

Make sure the WHMCS-host and the primary DNS-server can communicate on port 3306 (MySQL). (Please open this port on both firewalls.)

3.4.2 Primary Nameserver

For communicating with PowerDNS for WHMCS™ you need to make MySQL listen on the primary nameserver to requests on port 3306.

- Change the settings in my.cnf to allow external communication
- Create a remote user that is allowed to use the local (dns) MySQL database (for module)
- Open the firewall for incoming and outgoing packets to the WHMCS Host

Please note that the preferred nameserver setup is a cluster with replication. Cluster with master and slave(s) (also mixed with Bind or other nameservers) is possible.

Read more on replication, master and slave in the PowerDNS-manual: http://doc.powerdns.com/replication.html.

3.5 Optimization

For optimum speed results we advice system operators to employ WHMCS and PowerDNS for WHMCS™ on the primary nameserver that will be managed with the script. If this is not possible we suggest you put the WHMCS-server in the same rack as the nameserver.

Of course – for redundancy reasons - it is possible to use a primary nameserver that is run outside the NOC you run WHMCS from.

Also read paragraph 6.3: How to speed modules.

4. Getting Started

In this chapter you will find detailed information on obtaining a license key and the installation and upgrade of PowerDNS for WHMCS™

4.1 Obtain a license key

To run PowerDNS for WHMCS™ you need to obtain a license key. You can order a free (trial) or paid license from our customer portal at http://portal.cp-services.nl.
After ordering the key you can download the latest archive from the Services Tab in the customer area.

4.1.1 License types

We offer three different licenses: a free (trial) release, a leased license and an owned (unlimited domains) license.

- Trial License
  With the trial license you can test PowerDNS for WHMCS™ (unlimited domains version) fifteen days for free. You can administer as many zones as you like.
  - You can order the Trial License here: http://portal.cp-services.nl/link.php?id=1

- Leased License
  When you are satisfied with the script, but you do not want to pay for an owned license, you can order a leased license. You pay every month. When you decide to buy an unlimited license, or you do not need it anymore, you can cancel the license at any moment. Upgrades and support are free.
  - You can order the Leased License here: http://portal.cp-services.nl/link.php?id=5

- Owned License
  With the owned license for an unlimited number of domains you can use the script as long as you want. Please note that updates and support is free for the first year. After the first year a fee for maintenance and support is applicable.
  - You can order the Owned License here: http://portal.cp-services.nl/link.php?id=2

4.2 Installation

In this paragraphs you will find information on installation and upgrade of PowerDNS for WHMCS™.

Please note that we find WHMCS is a great platform for your business. But updates sometimes contain bugs. That is why we advice you not to upgrade directly when a new release is published, even if it is labeled 'Stable', but always to wait a copple of weeks.

4.2.1 Fresh Install

Once your order of PowerDNS for WHMCS™ is complete, the license key will be shown in the Client Area. Please write the code down, or copy it.

Please note that this will only works if you have a properly functioning install of WHMCS plus at least one primary nameserver (PowerDNS). You can download the latest release of WHMCs at http://www.whmcs.com. You can download PowerDNS using the automatic installation system (e.g. rpm on CentOS and RedHat or apt-get on Debian) of your server.

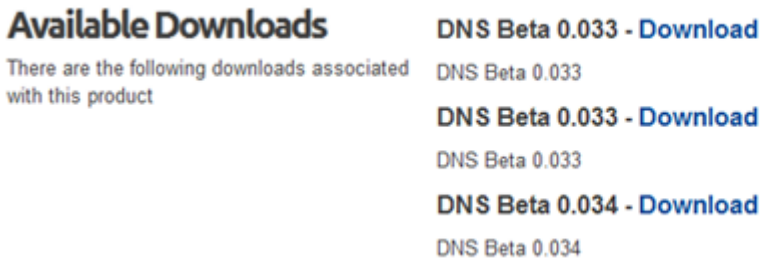
Available Downloads
There are the following downloads associated with this product
DNS Beta 0.033 - Download
DNS Beta 0.033
DNS Beta 0.033 - Download
DNS Beta 0.033
DNS Beta 0.034 - Download
DNS Beta 0.034

Image 1 - Download the latest release

Now download the latest archive from the customer portal. Unzip the archive and use a ftp-client to copy the included files to your WHMCS-installation.

If you run PowerDNS for WHMCS™ > 0.91 and <= 0.94 please note:
If you (want to) run WHMCS > 5.0.3 first add this line to .htaccess in the WHMCS-root (see included file htaccess.txt):
php_value include_path ".:/path-to-your-whmcs-install
If you do not use this line, the css of both the addon modules page in Setup plus the addon page of PowerDNS for WHMCS™ will not show correctly.

This is the way to do it:

- Copy the contents of the language files from archive/lang/ to the corresponding file in whmcs/lang. Do not overwrite existing files!
- Copy the contents of the directory /images to whmcs/images.
- Copy archive/templates/[your template of choice]/header.tpl to whmcs/templates/[your template]/header.tpl, after you made a backup of the original file.
- Copy archive/modules/servers/powerdns/powerdns.php to a newly created directory whmcs/modules/servers/powerdns.[For DNS-Hosting]
- Copy the contents of archive/modules/addons/powerdns/ to a newly created directory whmcs/modules/addons/powerdns.

Please note that Content People does not accept liability for any problems arisen from a faulty

Install of either WHMCS or PowerDNS for WHMCS™.

4.2.2 Activating license key

Once you have copied all the files, you can activate PowerDNS for WHMCS™.

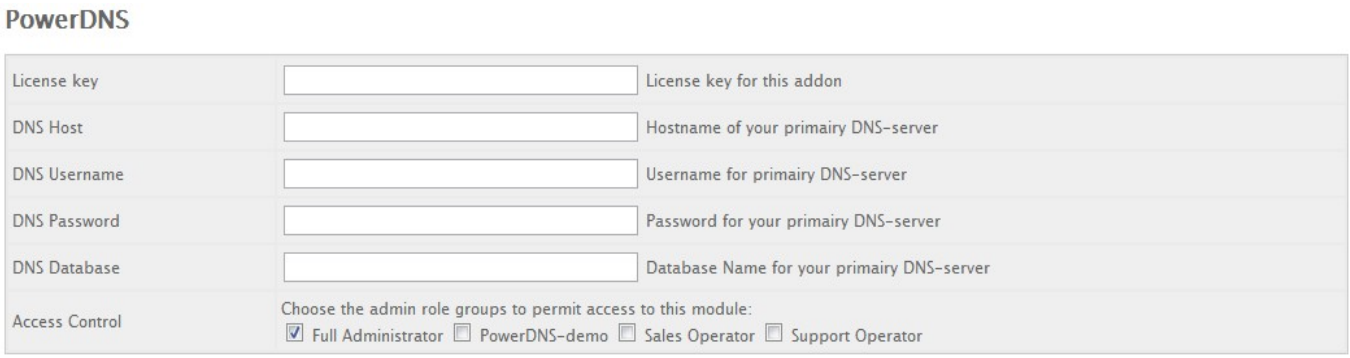

Image 2 - Fill in your license key

- Go to Setup >> Addon Modules in the admin portal.
- Scroll down to PowerDNS in the list of modules.
- Click on the Activate-button.
- The module will install the database tables.
- The module is now activated.
- Scroll to the configuration dialog (in older releases down the page, in new releases by the Configuration button) and copy your license key under the PowerDNS-header. Also enter the MySQL-details of your primary PowerDNS-server.

Image 3 - An activated addon.

- Click on OK to confirm the info and you are set to go!
- When you call the PowerDNS for WHMCS™ for the first time, the Setup Tab will be shown so you can configure the addon.

4.2.3 Post- Install Operations

To configure the module go in the admin portal to addons >> PowerDNS. The script will redirect you automatically to the Setup Tab. If not, just click on the Setup Tab. Here you supply all details to make the modules run smoothly.

Please note: to test whether the module runs smoothly you can insert the details of our test server. You'll find the details on our website http://www.contentpeople.eu/pdns-server.

During installation the script has installed a default template (Tab: templates), which will be used for new zone files. Please edit this template before you publish the module to your customers.

Also, do not forget to configure the addon properly, see the details in chapter 5.1.6: Setup Tab.

4.2.4 Upgrading PowerDNS for WHMCS

You can download the latest release of PowerDNS for WHMCS™ from our customer portal at http://portal.cp-services.nl >> Services >> PowerDNS >> Downloads.

Note: before you upgrade to the latest release of PowerDNS for WHMCS™ always make a backup of your database AND installation. Better safe than sorry.

If you run PowerDNS for WHMCS™ > 0.91 and <= 0.94 please note:
If you (want to) run WHMCS > 5.0.3 first add this line to .htaccess in the WHMCS-root (see included file htaccess.txt):
`php_value include_path ".:/path-to-your-whmcs-install`
If you do not use this line, the css of both the addon modules page in Setup plus the addon page of PowerDNS for WHMCS™ will not show correctly.

To upgrade copy all new files to the correct directory in the installation.

In version 0.099 we have introduced a new customer interface. Please remove dns.php, dns.css from the WHMCS-root. Also delete /templates/<yourtemplate>/dns.tpl.

Please note: always copy the contents of archive/lang/* to whmcs/lang/*. Do not overwrite existing language files!

After copying the files just reload the Admin interface >> Admin >> Addon Modules >> PowerDNS and the files and database (if needed) will be updated automatically.

5. Using the modules

The PowerDNS for WHMCS™ includes both an administrator and a customer module. It also contains two hooks: hooks.php, formerly known as pdns.php, will generate zone files automatically, a second before WHMCS registers or transfers a domain name. And check-pdns.php will check the health of the zone files daily. It runs with the default WHMCS-cronjob.

5.1 Administrator module

The administrator module is your main interface for creating, maintaining and removing zone files. The GUI fully integrates with the WHMCS-standards and is thus a integrated part of your hosting-, support- and billing system.

Please note that the number of listed records within listings of the module is defined in the setup menu of WHMCS (Setup -> General Settings -> Records to Display per Page).

Now we will guide you through the tabs in the Administrator interface.

5.1.1 Domain Names Tab

In the main screen of PowerDNS for WHMCS™ you see the domains you host on your nameserver cluster. Here you can see all kind of details, like owner, number of lines, registration date and last edited date. You can also click on a link to edit, delete or analyse the zone file with the IntoDNS-service.

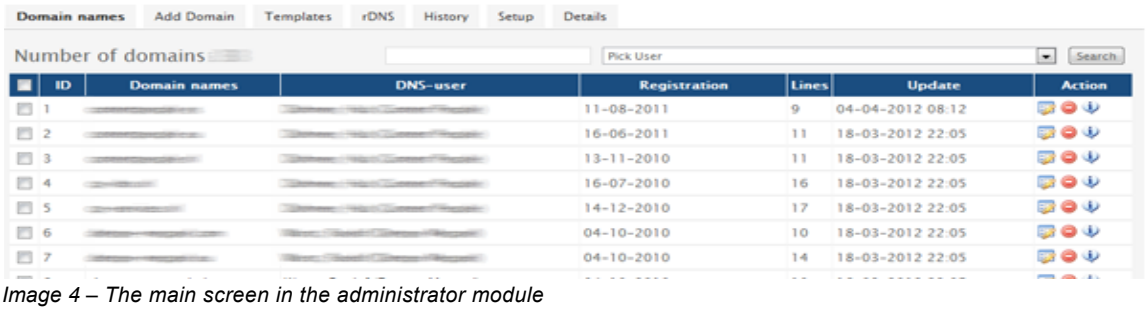

Image 4 – The main screen in the administrator module

Master and Slave zones

PowerDNS for WHMCS™ supports master and slave-domains. When the domain you host is a slave domain, this will be displayed behind the name. You will not be able to edit the zone file. You can only see the records the master synchronized with your dns-cluster.

If you have many zone files, PowerDNS will list the number of records set in the main configuration of WHMCS (>> Setup >> General Settings >> Records to Display per Page).

Search and apply new owner

On the main page you also can search for domains. Just type in a part of the domain name and the module will display the details. You can also move zone files from one customer to another.

5.1.1.1 Edit Zone File

It is not hard to edit a (master) zone. Just click on the Edit symbol behind the domain name in the main screen of the administrator module.

A new tab with the name of the zone will appear. You can now edit parts of the zone file and add new lines. Please be careful when you edit zone files. Once you have saved changes, they will be applied in real time to your nameserver-cluster.

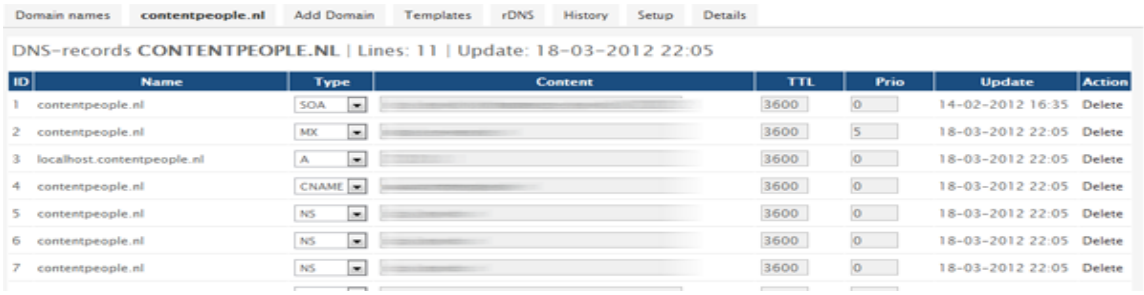

Image 5 – Editing a zone file

In this screen you can edit the record type, content, Time To Live (TTL) and Prio of every line. Please note that we support the following record types: A, AAAA, SOA, NS, MX, TXT, CNAME, PTR, SRV, SPF and URL. Please see paragraph 6.4 for more information on these record types.

Add record
You can add a new record to the zone file. Now and in the future. Just fill in the details.
It is possible to add a new record in the future and/or replace an existing record (in the future). Select the line to be replaced by entering the number in the drop down menu. If you only want to add an extra record (in the future), select None in the same menu.
Adding a record in real time is easy. Just fill in all the details and leave the DateTime-box empty, or select *Now* in the dateTime-Picker. Please note that all lines, scheduled to be added within ten minuts, will be added just after you confirmed the command.

Change user
In this screen you can change the owner of the domain. Just pick the new owner and confirm.

Please note that this options is only displayed when you choose to use tbldomains as default table for domain registration. (Read more on tbldomains and tblhosting in paragraph 5.1.6.)

5.1.1.2 Delete Zone File

When a customer has ended his account or hosting of a domain name, it is easy to remove the zone file. Just click on the delete symbol behind the domain name in the main screen of the administrator module.

Once you have confirmed the removal of the zone file, the nameserver-cluster will apply this change in real time.

The delete symbol is only displayed when you choose to use tbldomains as default table for domain registration. (Read more on tbldomains and tblhosting in paragraph 5.1.6.)

Note: when you enable the complementary check-pdns.php in whmcs/includes/hooks, you will receive a daily report of problem domains. Here you can also see if the registry still points in your direction.

5.1.2 Add Domain Tab

On the second tab you can add a new zone file. Please follow the procedure to add the domain name to your dns-cluster:

First choose the type: Master or Slave zone.

To create a Master Zone:

- Fill in the domain name.
- Use the tab to check if the domain exists.
- If so, choose to use public available records (not the nameserver-records) or not.
- Choose the customer in your WHMCS-database.
- And select the template to use. (After installation you will always have a default template, you should adapt to your situation.)
- Finally confirm.

PowerDNS for WHMCS™ creates the zone file and you will see the main screen.

To create a Slave Zone

- Fill in the domain name.
- Enter the IP-address of your primary DNS-server.
- Choose the customer in your WHMCS-database.
- Finally confirm.
- PowerDNS for WHMCS™ creates the zone file and you will see the main screen.

Please note: PowerDNS will not display slave-records until the first synchronization with the master has taken place.

5.1.3 Templates Tab

On the Templates Tab you can see all created templates by the module (default template when initializing module), administrators and customers.

After installation of the PowerDNS for WHMCS™ suite, you should edit the default template, automatically installed by the script.

When a customer registers a domain name with your company, the zone file will be automatically created – after uploading hooks.php to whmcsroot/modules/addons/powerdns/ - before submitting data to the Domain Registry. When the customer has no template of their own, PowerDNS for WHMCS™ will use the default template, maintained by the system administrator.

In a future release it will be possible to select templates per product and server.

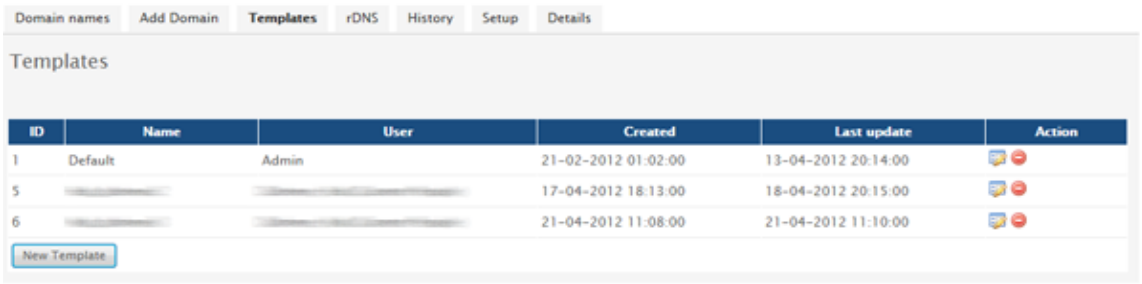

Image 6 – The main templates page

The administrators can edit and delete templates from this page.

5.1.3.1 Edit Template

When you click on the Edit icon you will be able to change the details of the template. Also you can add lines.

You can delete whole lines, but it is possible to change the *prio* and *value* too. It is not possible to edit the host and type of the record. If you want to change these, please delete the line and add a new one.

At the bottom of the page you can add new lines to the template. Please note that all input will be validated.

Note: if you want to add a line that refers to e.g. the domain only or mailserver, with a A, AAAA, MX-record etcetera, you do not have to fill in the (first) name field.

Image 7 – Adding a new record to a template

To create a new record, just fill in the needed values and click Save.

And the result of this action.

Image 8 –The newly added line

If you selected to support PowerDNS < 3.* (See: paragraph 5.1.6) the template will support these records: A, AAAA, CNAME, HINFO, MBOXFW, MX, NS, PTR, SPF, SRV, TXT and URL. (The SOA can not be added in templates.)
If you run PowerDNS 3.* and up, the template and domains editors will not support the “fancy records” (URL and MBOXFW). More on configuring this type of records see paragraph 6.1.

5.1.3.2 Delete Template

If you want to delete a template please click on the delete symbol. After you confirm this action, the template will be removed from the database. Please note that you can only restore deleted templates from a backup of WHMCS.

5.1.4 Reverse DNS Tab

On the Reverse DNS Tab you view, add, edit and delete (sub) nets. PowerDNS supports both IPv4 and IPv6 (experimental). The (sub) nets are listed by type (IPv4 and IPv6). At the bottom of every category you can click on the link Add Subnet, to add a new subnet.

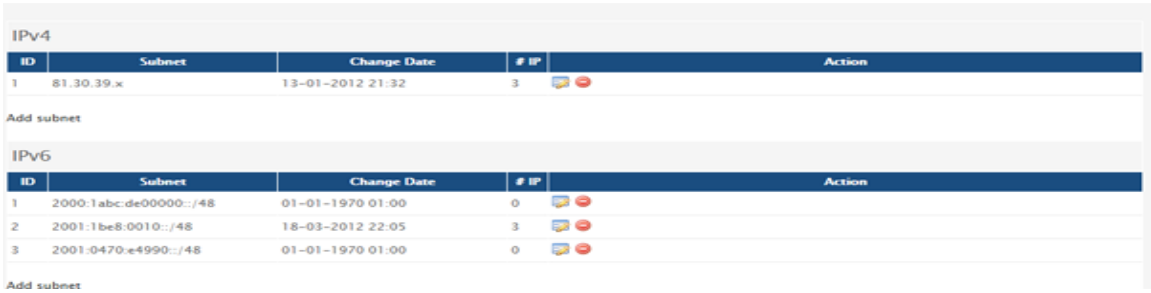

Image 9 –The listing of subnets on the rDNS Tab

On the main rDNS page you can view both IPv4 and IPv6 subnets, the number of registered IP-addresses and the latest date the records were updated. Also they can be deleted on this page.
When you click on the Edit icon, you will get full details of the subnet.

At the top of the page you see the SOA- and nameserver (NS) details of the subnet. You can edit the values or delete complete lines. You will be able to add new nameserver- or SOA-records. The IP-address of the subnet is predefined (when editing IPv4) . Just enter the records type (NS or SOA) and the value.

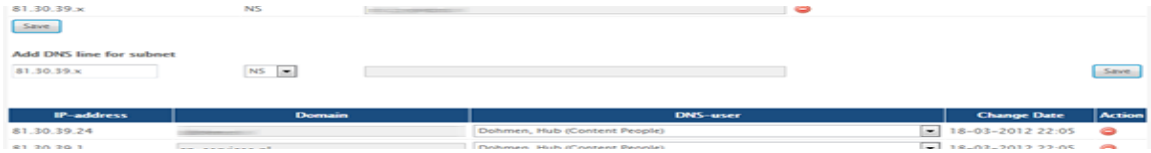

Image 10 – Detailed listing of a rDNS subnet.

At the bottom of the page you can add details for specific IP-address. If you enable rDNS in the customer interface (see: paragraph 5.1.6), you will only have to select the customer who uses this IP-address. He will then be able to enter the domain for the rDNS in the customer interface. The new IP-address is predefined (when editing IPv4) You can ignore this predefined info at any time.

5.1.5 History Tab

On this page you will get detailed info on operation of the module, both by staff and customers. You can browse the details to monitor actions.

Image 11 –The Delete History button on the History Tab

Just click on the Delete History button to remove all data.

5.1.6 Setup Tab

Please note that the details of the primary DNS-server are already filled in. When you change DNS-server you can either change the details here or on the main Addon Page.

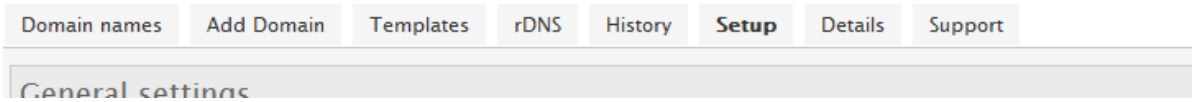

Image 12 – Configure your PowerDNS for WHMCS™

General settings

- DNS-host Please fill in the hostname of your primary DNS-server.
- DNS-user Please fill in the username for MySQL on your primary server.
- DNS-password Please fill in the password for MySQL on your primary server.
- DNS-database Please fill in the name of the DNS-db on your primary server.
- Zone Type Please fill in Master, Slave or Native.
- Sort list #1 Please fill in sorting on name or registration date.
- Sort list #2 Please fill in sorting on ascending or descending.
- Setup datatransfer Please use Yes for AXFR or No for replication.
- Support PowerDNS Select the release you use. (< 3 supports fancy records, see paragraph 6.1)

SOA Settings

- Refresh Time Please fill in the Refresh Time for DNS-records.
- Retry Time Please fill in the Retry Time for DNS-records.
- Expire Time Please fill in the Expire Times for DNS-records.
- Minimal Time Please fill in the Minimal Time for DNS-records.
- TTL Please fill in the maximum Time To Live.
- Hostmaster Please fill in if you don't want hostermaster.domain.com.

Admin Settings

- Display registration Please choose yes to display date.
  Choose No to speedup the display of domain names.
- Display # records Please choose yes to show records.
  Choose No to speedup the display of domain names.
- Display last update Please choose yes to show date.

Choose No to speedup the display of domain names.

- Timeformat (admin) Choose US (yyyy-mm-dd) or EU (dd-mm-yyyy).
  This value will be used where possible in the administrator module.
- Display Users Please choose yes to display owner of domain
  Choose No to speedup the display of domain names.
- Support-Tab Please choose yes to show Support-tab for quick support.
- DNS-group Please fill in group if you want to sell DNS-hosting.
  Vital for enabling DNS Hosting.
- Default Template Please fill in default template for creating new zone files.
  This template will be used if the customer has not created a template.
- Enable RDNS Please fill in Yes to enable reverse DNS (tab) in admin module.

User Settings

- Only rDNS? Please fill in if you only want to enable reverse DNS for clients.
- Timeformat User Choose US (yyyy-mm-dd) or EU (dd-mm-yyyy).
  This value will be used where possible in the user module.
- Which table to use Choose tbldomains or tblhosting (see Detailed Info).
- Product groups Which product groups to show (tblhosting).
- Domains status Domains of which status to show (tblhosting).
  See Detailed info: Which table to use.
- User can delete Please fill in if user can delete domains in customer portal.
- User can edit Allow or disallow if the user can edit zone files
  This only works on Master zones.
- Enable scheduled Allow users to create scheduled zone file alterations
- Maximum jobs Insert the number of lines users can add

Please note: to test if the module runs smoothly you can insert the details of our test server. You'll find the details on our website http://www.contentpeople.eu/pdns-server.

Detailed info (for advanced configuration)

Which table to use

If you do not run a DNS Hosting service, please choose tblhosting. PowerDNS for WHMCS will collect domain data from that table. This makes the script run faster. If you use tblhosting please select the product groups and the status of the domains to show. Both options will not be displayed if you use tbldomains.

Please note that when you choose tblhosting the Add Domain tab in both admin and customer GUI will not show.

When you have PowerDNS for WHMCS already deployed with tbldomains you should not switch from tbldomains to tblhosting. This will mess up your system.

5.1.7 Details Tab

Here you find the details on PowerDNS for WHMCS™. You will see information on the version you run, the latest release, your license-type, the status of your licensec and your license key.

You will also see a link to a pop-up screen, that displays the products groups in WHMCS. Here you can find the DNS Hosting Products group, which you need if you setup DNS Hosting as a product. You can find out more on DNS Hosting in paragraph 6.2.

5.1.8 Support Tab

If selected on the Setup Tab, you will see the Support Tab. You can use this tab to send in support requests. All available info on WHMCS, your OS, PHP and your PowerDNS for WHMCS™ is already filled in.

Please first browse through our Knowledge Base on http://portal.cp-services.nl before using the Support Tab. This section of the website is filled with questions and answers to all the problems we receive and solve. It also contains information on troubleshooting.

When the Knowledgebase or this manual where not sufficient and you decide to use the form on the support tab, please describe your problem as detailed as possible. We can only help you if we know everything about your problem and the environment in which you run WHMCS.

Also read chapter 7: Support.

5.2 Customer module

The client interface lets your customers maintain and remove zone files. It also has features for advanced template editing. The GUI (the template files can be styled to match your sites design) fully integrates with the WHMCS-standards and is thus a integrated part of your hosting-, support- and billing system.

5.2.1 Enabling Customer Template

To enable the customer interface just copy clientarea.php and the directory templates to /modules/addons/powerdns/.

Now you should enable a link to the module in the header.tpl of your template. For the default template we inserted this code in header.tpl:

```
{php}
if ($_SESSION['uid']) {
 echo '<li><a href="/?m=powerdns"
title="'.$_LANG["whmcspdnsmy"].'">'.$_LANG["whmcspdnsmy"].'</a></li>';
}
{/php}
```

5.2.2 Customer GUI

The customer GUI contains a list of the domains administered by the customer, plus three links (when rDNS is enabled): Add Domain, Manage Templates and Reverse DNS.

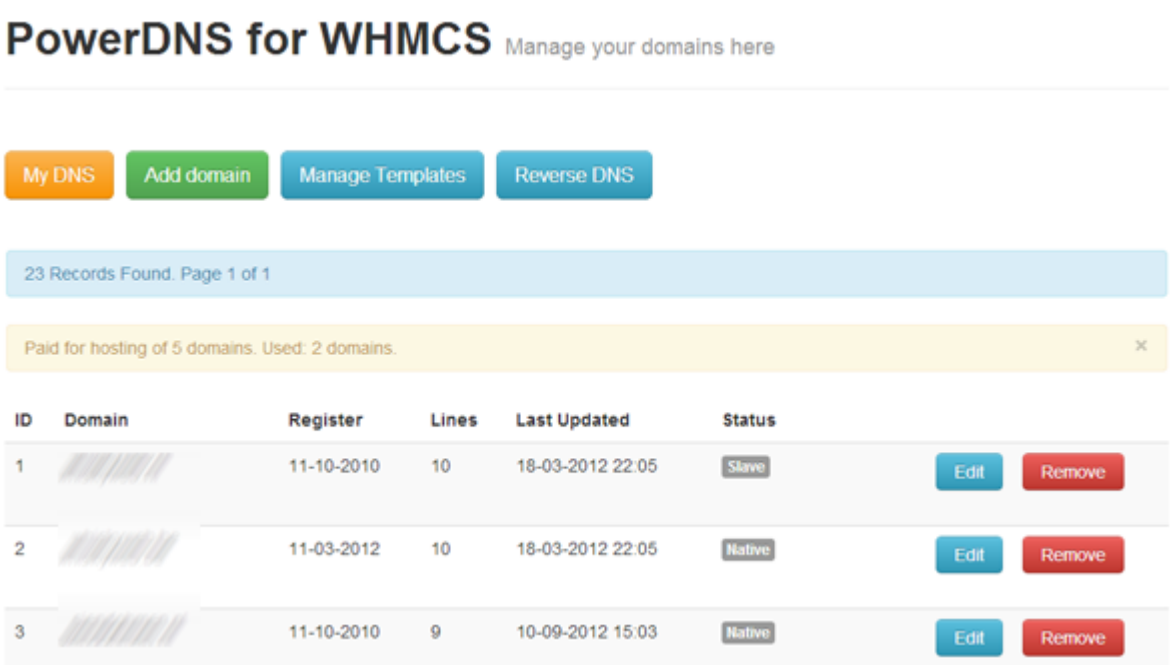

Image 13 –The customer GUI

In this list you will see all domains which have DNS Management enabled in the domain setting.

If the customer has paid for DNS Hosting – he did not register the domain at your company, but paid for using your (white labeled) nameservers – he will see the remaining ‘credits’ for DNS

Hosting on the top of the page. (See: paragraph 6.1 for a DNS Hosting how to).

The customer interface uses the default Smarty templating system, used by WHMCS. You can edit the files in directory /modules/addons/powerdns/templates/ to suit your needs.

5.2.2.1 Domain List

A list of the managed domains is displayed on the main page of the customer module. You can edit or delete (when allowed) the zone files.

Please note that the module only displays the domains where DNS mangement is enabled.

5.2.2.2 Add Domain

When you click on the Add Domain link you can add a new zone file. Please follow the procedure to add the domain name to your DNS-cluster:

Image 14 –The banner for the add Domain Name page for DNS Hosting .

First choose the type: Master or Slave zone.

To create a Master Zone:

- Fill in the domain name.
- Use the tab to check if the domain exists.
- If so, choose to use public available records (not the nameserver-records) or not.
- Choose the customer in your WHMCS-database.
- And select the template to use. (After installation you will always have a default template, you should adapt to your situation.)
- Finally confirm.
- PowerDNS for WHMCS™ creates the zone file and you will see the main screen.

To create a Slave Zone:

- Fill in the domain name.
- Enter the IP-address of your primary DNS-server.
- Choose the customer in your WHMCS-database.
- Finally confirm.
- PowerDNS for WHMCS™ creates the zone file and you will see the main screen.

Please note: PowerDNS will not display slave-records until the first synchronization with the master has taken place.

5.2.3 Templates

When a customer registers a domain name with your company, the zone file will be automatically created (after uploading hooks.php to whmcs/modules/addons/powerdns/) before submitting data to the Domain Registry. When the customer has no template of their own, PowerDNS for WHMCS™ will use the default template, maintained by the system administrator.

To manage the templates used when adding a zone file to the PowerDNS database, please click on Manage Templates. Here you can also remove one or more templates

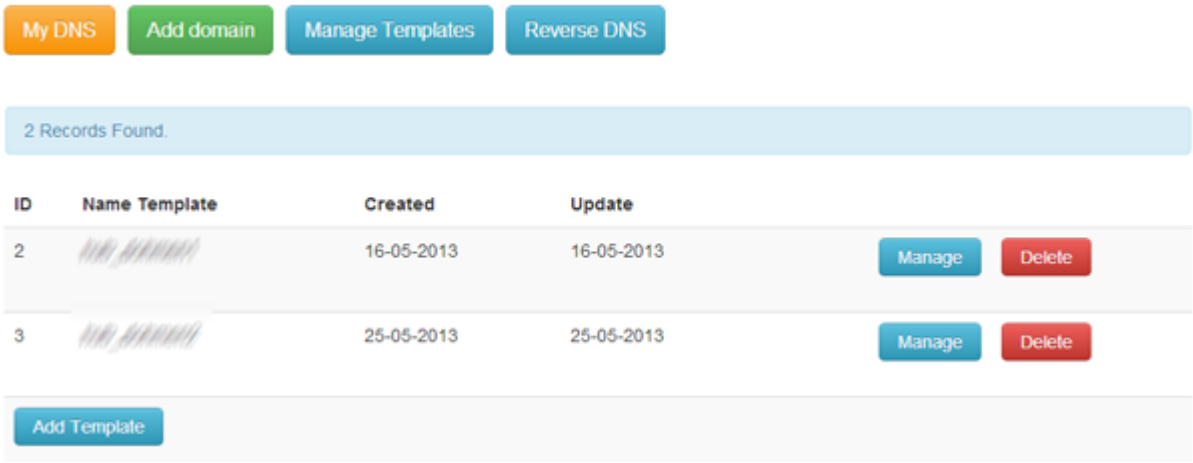

Image 15 – On the Manage Templates page you can edit and remove templates.

5.2.3.1 Edit Template

When you click on the Edit Tab you will be able to change the details of the template. You also can add lines.

You can delete whole lines, but it is possible to change the *prio* and *value* too. It is not possible to edit the host and type of the record. If you want to change these, please delete the line and add a new one.

At the bottom of the page you can add new lines to the template. Please note that all input will be validated.

If you selected to support PowerDNS < 3.* (See: paragraph 5.1.6) the template will support this records: A, AAAA, CNAME, HINFO, MBOXFW, MX, NS, PTR, SPF, SRV, TXT and URL. (The SOA can not be added in templates.)

If you run PowerDNS 3.* and up, the template and domains editors will not support the “fancy records” (URL and MBOXFW).

5.2.3.2 Delete Template

If you want to delete a template please click on Delete. After you confirm this action, the template will be removed from the database. Please note that you can only restore deleted templates from a database backup of WHMCS, which you receive daily by e-mail.

5.2.4 Reverse DNS

PowerDNS for WHMCS™ offers both advanced DNS Management (regular and rDNS Management) and only rDNS Management in the customer interface. If you only want to enable rDNS, please select Only rDNS in the Setup Tab in the administrator interface (paragraph 6.3).

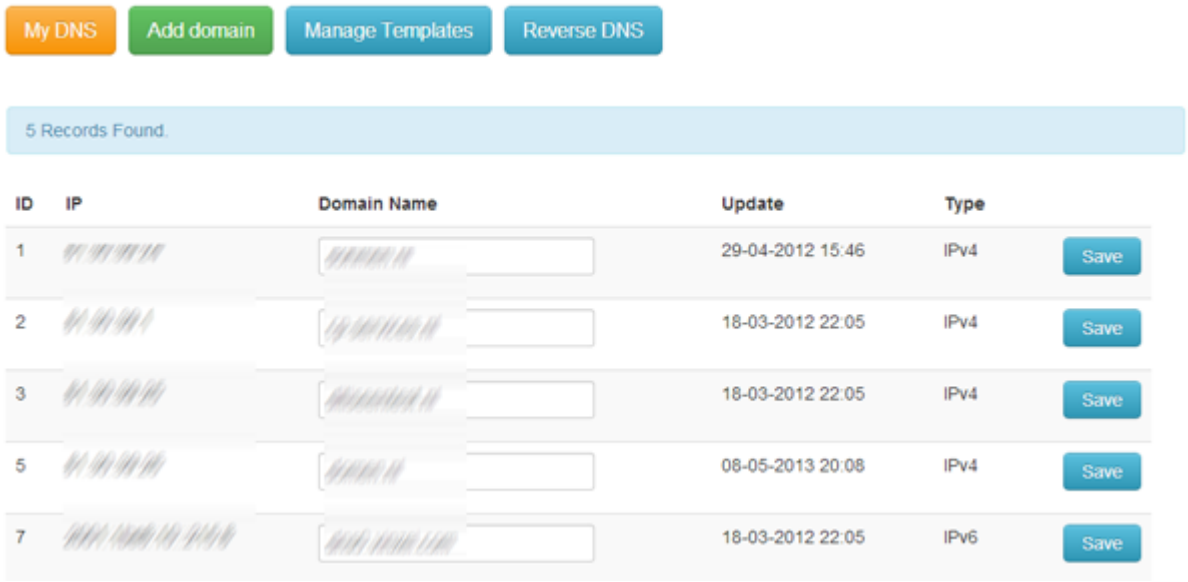

Image 16 –On the Reverse DNS page you can edit the domain name pointers.

If the system administrator has assigned one or more IP-addresses to the customer, he (or she) will see a link to Reverse DNS (Advanced Management) or a screen with the IP-addresses (only rDNS).

The rDNS-page lists all assigned IP-addresses. The customer can enter the domain the reverse DNS should point to. rDNS is becoming increasingly important, now that main ISP’s worldwide use rDNS as a way to fight spam.

Please note that the script only accepts an active domain names as a pointer.

5.2.5 Link in Domain Options

You can add a link to the DNS Management interface in the Domain Name details environment of your customer portal.

To do this, go to the customer template you enabled.

Open file `clientareadomaindetails.tpl`.

Search for this line (exact in the Default template):

```
<a href="clientarea.php?action=domaindns&domainid=
{$domainid}">Manage</a> | <a href="clientarea.php?
action=domainaddons&id={$domainid}&disable=dnsmanagement&token=
{$token}">Disable</a>
```

Replace the WHOLE LINE with:

```
<a href="/?m=powerdns&p=manage&domain={$domain}"> Manage </a>
```

Now your customers can edit the DNS from the Options tab in the Domain Name details. Please note this link is not displayed when you do not enable DNS Management in the domain details.

5.3 Hook for auto-creating zone files

Once a customer has ordered a domain name, and has paid for the service, PowerDNS for WHMCS™ will generate a zone file automaticly.

The hook will be used when a customer has ordered and paid one or several domains. It also run on the background when a system administrator generates an order for one or more domains.

The hook applies this logic when it is called:

- When a customer orders a hostingpackage, the hook applies the IP-address and nameservers of the Server Details (see: Admin > Setup > Products >> Servers) to the zonefile. It will also use the first personal template, if the user has one defined.
- When a customer orders a hostingpackage, the hook applies the IP-address and nameservers of the Server Details (see: Admin > Setup > Products >> Servers) to the zonefile. If the customer has no personal template, it will use the values of the default template, maintained by the Administrator.
- When a customer only orders a domain, the default template will be used.

After the zone file is created by the hook, the domain name will be registered.

To enable this feature, copy hooks.php to whmcs/modules/addons/powerdns/

5.4 Hook for problem domains

In release 0.086 we added a special hook for locating problem domains. This is not only a handy tool when you run a large database with zone files, and want to remove domains that have been moved by your customers, but also when you have a few domains.

Please note we have removed this hook in release 0.091 for a rewrite.

The hook will be run at the end of the nightly cron job. It will send an e-mail with domains that

- Have not the same internal (your dns) and public nameservers for a domain
- Have no internal nameservers registered
- Have no public nameservers registered

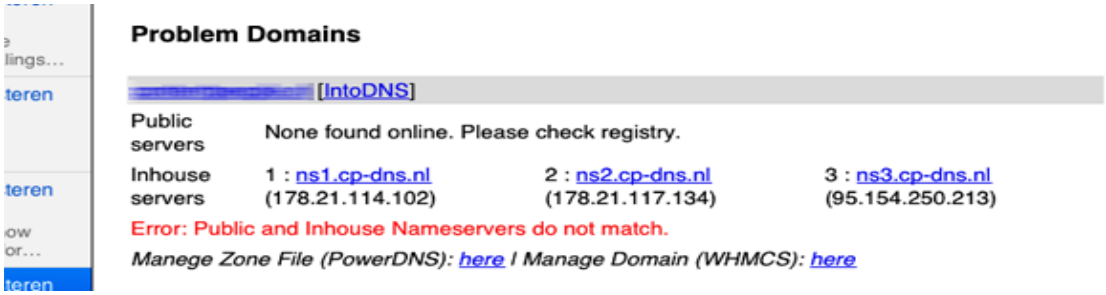
Problem Domains
[IntoDNS]
Public servers
None found online. Please check registry.
Inhouse servers
1 : ns1.cp-dns.nl (178.21.114.102)
2 : ns2.cp-dns.nl (178.21.117.134)
3 : ns3.cp-dns.nl (95.154.250.213)
Error: Public and Inhouse Nameservers do not match.
Manege Zone File (PowerDNS): here / Manage Domain (WHMCS): here

Image 17 – A part of an e-mail with problem domains

In the message you can find links to Intodns and your WHMCS-installation (both customer and domain name information).

To create valid links to your WHMCS-installation, you have to define the $customadminpath in the configuration.php.

```
E.g.: $customadminpath = 'admin';
```

This variable should represent the directory in which your admin area is placed. The hook will read the url of your WHMCS-installation from the database and create a valid URL to your admin area, like http://www.yourdomain.com/admin/.

The message with problem domains is send to the administrator e-mailaddress of WHMCS, defined in WHMCS >> Setup.

To enable this feature, copy check-pdns.php to whmcs/includes/hooks.

5.5 Cron job for scheduled zone file changes

In release 0.091 we introduced a cron job for scheduled changes of zone file.

Both customers and admin can enter planned changes and new records.

For detailed info on how to use this script, please review paragraph 6.5: Scheduled zone file updates.

6. How To

In this chapter you will find information on several special features of PowerDNS for WHMCS™, like DNS Hosting, speeding up et cetera.

6.1 Setting up fancy records

When you run PowerDNS < 3 you can use 'fancy records MBOXFW and URL. This makes redirecting of e-mail and urls like a breeze. You can read more on fancy records at the website of PowerDNS: http://doc.powerdns.com/fancy-records.html.

6.1.1 Enabling MBOXFW

Drew Wynne supplied info on the configuration of MBOXFW with the Exim MTA.

First install Exim (Debian: apt-get install exim4) and replace the exim.conf with the same file of JPower Admin (http://www.nicmus.com/community.html). Restart the MTA and it will work.

Key thing to remember is iptables. If you are having issues with it working then disable iptables to prove off the firewall.

The next step is editing pdns.conf (you can find a working example here: http://portal.cp-services.nl/knowledgebase/25/PowerDNS-config-file.html). Use this lines:

```
fancy-records=yes
smtpredirector=<your mta host>
```

After you restart PowerDNS it should work.

6.1.2 Enabling URL

Please follow these guidelines to seccesfully setup support for the URL-record type. (Info based on tutorial at http://www.huug.no/2009/09/29/enabling-url-records-in-powerdns/).

With the URL-record type you have an enhanced version of the CNAME-record type. With CNAME you can only redirect to another URL. With the URL-type record you can redirect to specific pages.

EXAMPLES			
With CNAME			
contentpeople.eu	IN	CNAME	contentpeople.nl
With URL			
contentpeople.eu	IN	URL	contentpeople.nl/mypage

In this example the URL-record type will redirect the complete domain to a page of our website in the Dutch language.

How does it work?
When you use the URL-type record PowerDNS will redirect the request to a website (defined in pdns.conf). The website - a simple script - will look up the desired location and do the actual forwarding.

Enabling URL-record type support is easy. It can be done in less then five minuts!

1. Edit pdns.conf
2. Enable fancy records: *fancyrecords=yes*
3. Enable the urlredirector: `urlredirector==<your web host>`
4. Save and restart PowerDNS.
5. Please follow step 1 to 4 on all your DNS-servers.

6. Go to the config file of your webserver.
7. Add a new host. Please use a dedicated IP-address for this, so Apache will not get confused.

```
<VirtualHost _default_:80>
ServerAdmin hostmaster@localhost
DocumentRoot /var/www/html/urlredirect
ErrorLog logs/urlredirect-error_log
CustomLog logs/urlredirect-access_log common
</VirtualHost>
```

8. Restart Apache
9. Add an index.php script in the root of the virtualhost

```
<?php
$servername = $_SERVER["HTTP_HOST"];
// replace this with credentials to your powerdns database
@mysql_connect('db-host','username','password');
// replace this with the right database name
```

```
@mysql_select_db('powerdns');
$result = @mysql_query("SELECT content FROM records WHERE name =
'$servername' AND type = 'URL' LIMIT 1");
if (mysql_num_rows($result) == 1) {
$row = @mysql_fetch_object($result);
header("Location: $row->content");
} else {
header("Location: http://www.google.com");
}
?>
```

10. Finished

6.2 Setup DNS Hosting

Starting release v. 0.040 you can sell DNS-hosting products using PowerDNS for WHMCS™.

Please follow these guidelines to successfully setup up DNS-hosting.

- Install PowerDNS for WHMCS™
- Create a new product group
- Create DNS-Hosting products within this group
- Use Module PowerDNS (uoloaded while installing module)
- Set Server Group None
- Enter number of domains for DNS-Hosting
- Save the new product
- Get the group number (PowerDNS -> Details Tab –> Display Groups)
- Add the group number into the module (PowerDNS -> Setup)
- Save
- You are set to go!

6.3 How to speedup modules

We have rewritten the source code of PowerDNS for WHMCS™ several times for speeding up the listing of domains. If you want to create further time saving (we achieved a significant speedup) , please adapt the steps listed here:

- Browser WHMCS with Chrome, Safari or Firefox.
- Disabling showing reg. date, customer name, last update et cetera
- If possible, setup your primary nameserver on the localhost (same as WHMCS)
- You can speedup MySQL with this code (put it in my.cnf):

```
innodb_doublewrite = 0
log-bin = 0
innodb_support_xa = 0
innodb_buffer_pool_size = 500M
innodb_log_file_size = 256M
innodb_flush_log_at_trx_commit = 0
```

6.4 Only enabling rDNS in customer module

If you only want to offer reverse DNS Management to your customers, you just set the correct setting in the Setup Tab of the administrator interface. (See paragraph 5.1.3)

6.5 Scheduled zone file updates

It is possible to add scheduled new lines to zone files. Fill in all the details, including the date and time the record should be added.

You can add both new records and replace existing records. If you want to add a record instantly, or replace a line in real time, just choose Now in the Date box or leave the input field empty.

A cron job, cron-pdns.php should run every five minuts to enable the new line. Please upload cron-pdns.php to yourwhmcs/modules/addons/powerdns/

To run the cron job every five minuts, please insert this line into your crontab:

```
5 * * * * php /yourwhmcs/modules/addons/powerdns/cron-pdns.php >
/dev/null 2>&1
```

6.6 Supported record types

The module currently supports these record types:

A

The A record contains an IP address. It is stored as a decimal dotted quad string, for example: '213.244.168.210'.

AAAA

The AAAA record contains an IPv6 address. An example: '3ffe:8114:2000:bf0::1'.

CNAME

The CNAME record specifies the canonical name of a record. It is stored plainly. Like all other records, it is not terminated by a dot. A sample might be 'webserver-01.yourcompany.com'.

HINFO

Hardware Info record, used to specify CPU and operating system. Stored with a single space separating these two, example: 'i386 Linux'.

MX

The MX record specifies a mail exchanger host for a domain. Each mail exchanger also has a priority or preference. This should be specified in the separate field dedicated for that purpose, often called 'prio'.

NS

Nameserver record. Specifies nameservers for a domain. Stored plainly: 'ns1.powerdns.com', as always without a terminating dot.

PTR

Reverse pointer, used to specify the host name belonging to an IP or IPv6 address. Name is stored plainly: 'www.powerdns.com'. As always, no terminating dot.

The Start of Authority record is one of the most complex available. A typical entry:

```
yourdomain.com     SOA       ns1.cyoudomain.com.
hostmaster.yourdomain.com 2012050101 7200 7200 1209600
86400             3600   0
```

It specifies a lot about a domain: the name of the master nameserver ('the primary'), the hostmaster and a set of numbers indicating how the data in this domain expires and how often it needs to be checked. Further more, it contains a serial number which should rise on each change of the domain.

SPF

SPF records can be used to store Sender Policy Framework details (RFC 4408).

SRV

SRV records can be used to encode the location and port of services on a domain name. When encoding, the priority field is used to encode the priority. For example, '_ldap._tcp.dc._msdcs.conaxis.ch SRV 0 100 389 mars.conaxis.ch' would be encoded with 0 in the priority field and '100 389 mars.conaxis.ch' in the content field.

TXT

The TXT field can be used to attach textual data to a domain. Text is stored plainly.

MBOXFW (PowerDNS < 3.*)

This record denotes an email forward. A typical entry looks like this:

```
support@yourdomain.com     MBOXFW
you@yourcompany.com
```

When PDNS encounters a request for an MX record for yourdomain.com it will, if fancy records are enabled, also check for the existence of an MBOXFW record ending on '@yourdomain.com', in which case it will hand out a record containing the configured **smtpredirector**. This server should then also be able to access the PDNS database to

figure out where mail to support@yourdomain.com should go to.

URL (PowerDNS < 3.*)

URL records work in much the same way, but for HTTP. A sample record:

```
yourdomain.com     URL
http://somewhere.else.com/yourdomain
```

A URL record is converted into an A record containing the IP address configured with the **urlredirector** setting. On that IP address a webserver should live that knows how to redirect yourdomain.com to http://somewhere.else.com/yourdomain.

(Source: PowerDNS manual)

7. Support

Content People offers a wide range of support for the users of PowerDNS for WHMCS™. This manual should be your starting point when you need information on deployment and use of the module.

If you feel the document does not supply an answer to your question, you can consult our online Knowledge Base (KB). You can also raise a ticket if the KB did not solve your problem.

To find out more about PowerDNS for WHMCS™ (like news, new features and discounts) visit http://www.contentpeople.eu/pdns.

7.1 Troubleshoot Install

When encountering problems, you can troubleshoot your install by adding a few lines to the configuration of your php.ini (configuration of PHP) .

To troubleshoot your installation add these lines to configuration.php (in the WHMCS-root):

```
$display_errors = true;
error_reporting(E_ALL);
ini_set("display_errors", 1);
```

Reload the script and you should see what is causing the error. When you are finished, please do not forget to changes the lines into:

```
$display_errors = false;
error_reporting(E_ALL);
ini_set("display_errors", 0);
```

or you could just remove them.

You could also enable short tags in php.ini.

You can find the location of your php.ini in the WHMCS-admin interface:
> Home > Utilities > System > PHP Info.

Alter saving the file please reboot your webserver, call the script and watch debug info in */var/log/php_error.log*

After you found the reason for the error please disable debugging.

7.2 Knowledge Base

Our Knowledge Base (http://portal.cp-services.nl/knowledgebase/) is your second source after this manual should you have any questions.

In the scripts directory we have three categories: General Questions, Admin Interface Questions and Customers Interface Questions. We try to update the FAQ as frequently as possible.

If you want to have a quick answer, the Knowledge Base is you best chance.

7.3 Ticket

If the manual and the Knowledge Base cannot supply a good answer to your question, you are invited to use our Ticket System. We will try to reply within 24 hours.

When asking a question, always be as detailed as possible. E.g. When did the problem happen? What did you do shortly before and how can we re-create the issue.

You can sent in the Ticket through our customer portal at http://portal.cp-services.nl or send an e-mail to support@cp-services.nl. When you want to update the ticket, always reply the confirmation e-mail of our support system with the ticket ID in the subject line.

7.4 Support license

After buying the script you will get free support and updates for one year. After that year we currently will bill you €25 (incl. VAT) per twelve months.

You do not have to renew your support license, but you will not be able to download new updates and receive support anymore.

8. Update History

Our update policy: we try to fix bugs as soon as possible. So that our users do not have to wait weeks for a solution. We also apply requested features as soon as possible.

This means we update our source code often. A bold version number, like **0.050**, means Major Update.

Version	Date	Details
0.01	30-02-2011	No details
0.011	08-04-2011	Include config.php check Removed config screen
0.022	13-04-2011	Five bugfixes Added new domain tab in admin module Added delete domain tab in admin module
0.027	17-04-2011	Fixed bug in client-module (edit link did not work) Added ignore dnsmanagement setting in WHMCS tbldomains or not Adopted extra WHMCS CSS style
0.030	20-04-2011	Several bugfixes Added support-tab Added new config variable Now you can disable autolisting servers when adding new domain Created new file for ajaxupdates: ajax.php
0.031	28-04-2011	Several bugfixes Client can also delete all dns-records for domain Updated lay-out Enhanced ajaxupdates
0.040	05-05-2011	User can add domains, when you buy DNS-hosting. Several bugfixes
0.050	26-05-2011	Automated configuration/ setup of addon Automated creation of default template Automated discovery of hosted DNS-records on PowerDNS No text files, all vital info is in database AdminTemplates (management) Advanced logsystem Multi-language Configuration of timezone Support tab for quick assistance Automated setup of DNS when domain only exists in WHMCS Customer Templates (management), even if a client has no templates Multi-language Configuration of timeformat
0.051	31-05-2011	Update interface for speeding up loading; show reg. date & # lines.
0.052	02-06-2011	Fixed logging bug in powerdns.php.
0.053	03-06-2011	Fixed bug in saving setup info.
0.055	07-06-2011	Fixed bug (#8) in adding (multiple) domain names. Fixed bug in listing domains (admin module). Fixed bug in listing domains (customer module).

		Changed config of both modules.
0.056	08-06-2011	Fixed bug not updating SOA (admin module) Added support for IntoDNS (admin module)
0.058	14-06-2011	Fixed a bug not deleting DNS-records when removing zone (admin) Fixed bug in multiple display same templates (admin) Fixed several minor bugs in customer module.
0.060	09-07-2011	Added advanced support for Reverse DNS Added importing DNS records for existing domains Fixed several minor bugs in both admin and customer module.
0.061	14-07-2011	Fixed bugs on updating serial (both admin and client module) Added Reverse DNS on client module Changed label of domain when domain only exists in whmcs.
0.062	25-07-2011	Fixed bug not correct displaying number of domains for trail license Added option only display Reverse DNS-Hosting on customer side Changed several minor bugs (both customer and admin modules)
0.063	30-07-2011	Fixed bug not correct updating SOA when adding record (customer) Removed obsolete cfg option DNS Management Removed obsolete cfg option Add record (both modules) Removed minor bugs (customer module)
0.064	31-07-2011	Added search box for domains in admin interface Added ability to change user in edit domain Added redirect in dns.php when user is not logged in
0.065	08-08-2011	Fixed bug not recognizing domain after recreating (admin) Fixed bug looking up domains for import (admin) Added writing domains to tbl pdns.domains (admin)
0.068	28-08-2011	Added support for tbl pdns.domains (client) Enhanced support for tbl pdns.domains (admin) Added default hostmaster (all domains) (admin) Fixed several bugs (client/admin)
0.069	04-09-2011	Fixed errors in editing zone files (admin) Fixed minor bugs (admin/customer)
0.070	08-09-2011	Fixed bug not updating serial in tbl after mod. zone (admin) Fixed bug 'no connection' after adding record (admin) Fixed bug users where able to add domains without quota (client) Moved css out of dns.php
0.071	11-09-2011	Fixed bug editing templates (admin) Fixed bug naming templates (client) Added type URL (admin/client) HOWTO Fixed bug in menu (client) Moved dns.css to root WHMCS (client)
0.072	19-09-2011	Fixed bug in templates when using URL-record (client and admin) Added Spanish language file - thanks to Javier Narváez (client) Added support for DNS in domain list and domain details (client)
0.073	02-10-2011	Client can use default DNS-template (client) Added DNS-button to client summary (admin) Rewrote part of source code for faster displaying domains (admin)
0.074	12-10-2011	Auto setup of zone file before registration of domain (hook) Support for the suggested 'constraint' database addon Added support for non-Jquery javascript frameworks (customer) Bugfixes (customer/admin)

0.075	16-10-2011	Zone type (Master, slave and native) can be set Fixed url bug in DNS-link clientarea (customer) Fixed bug in name of function (customer)
0.076	31-10-2011	Fixed bug in credits DNS-hosting (customer) Rewrite SQL making scripts faster, less DB-conn.(client) Fixed bug with quotes (customer) Fixed order drop down menu (admin)
0.077	03-11-2011	Fixed compatible problem with latest WHMCS-release (admin) Add function not show users to speed up domain listing Fixed bug CNAMe values not being checked (admin)
0.078	05-11-2011	Fixed bug in pdns.php (hook for auto create zone file) Fixed bug not showing DNS-hosting credits (customer) Fixed bug not showing correct templates (customer)
0.079	05-11-2011	Fixed major bugs in pdns.php (hook for auto create zone file) Admin can now mass change owner of zone (admin)
0.080	20-11-2011	Added support for ipv6 rDNS (customer) Added mass updating owner domain (admin) Now only loading cfg data after changing details in setup (admin) Added support for ivp6 rDNS EXPERIMENTAL (admin) Added new record types (admin, customer) Fixed bug in upgrade function (admin)
0.081	25-11-2011	Fix major bug (admin) Added extra script for adding addons after customer registered
0.082	22-12-2011	Bugfix displaying personal templates (client) Rewrite of code for deleting zone file lines for javascript (client) Rewrite css code for whmcs 5.* (client) Several bugfixes (admin)
0.083	03-01-2012	Fixed adding line to zone file (client) Added support for axfr, in the past only replication was supported Several minor bugfixes (admin)
0.083	03-01-2012	Bugfix adding line to zone file (client) Added support for axfr, in the past only replication was supported Several minor bugfixes (admin)
0.084	07-01-2012	Bugfix not showing result search box (admin) CSS update search Client profile (admin) Bugfix not adding defined hostmaster by new domains (client)
0.085	22-01-2012	Ten bugs fixed (customer and admin) Added pagination domain names tab (admin)
0.086	11-02-2012	Fixed bug in SOA update (admin) Rewrote activate code (admin)
0.087	28-03-2012	New feature: master/ slave domains (customer and admin) Kindly sponsored by simplehosting.ch Added zone file health check (new hook check_pdns.php) Autocreate new zone file with client template (update pdns.php) Fixed bug showing debug info (hook pdns.php) Now you can insert DNS-details and licensekey when activating Fixed security issue: it was possible to add ANY domain Fix bug sometimes no check input against existing lines Added script for converting MyDNS database to PowerDNS Added script for reordering PowerDNS-database
0.088	31-03-2012	Fixed very slow loading of domainlist with a lot zones (admin)

		Speeded up listing log file Fixed several minor bugs (client/admin)
0.089	19-04-2012	Added support for new PowerDNS release (> 3.*) Fixed security issue in dns.php (client) Fixed serveral template bugs (client/admin) Fixed several minor bugs (client/admin)
0.090	01-05-2012	Fixed several templating bugs (both admin and customer) Added first edition of manual. Fixed bug in not correct displaying rDNS (customer) Fixed bug not correct displaying owner of template (admin)
0.091	04-07-2012	Added Scheduled record changes (both client and admin) Added support for tblhosting (both) Both kindly sponsored by Digital Pacific Fixed eight bugs in dns.php Moved majority of css into dns.css (client) Removed check-pdns.php from archive
0.092	16-07-2012	Added fix for bug in WHMCS 5.2.x Added German translation (client), thanks to dr. Robert Poehler.
0.093	30-07-2012	Extra fix for compatibility with WHMCS 5.2.x
0.094	06-08-2012	Fixed several bugs (client/admin) Fixed 5.1.x bug in pdns.php
0.095	04-09-2012	Fixed wildcard bug (client/ admin) Finally removed 5.1.x bug (.htaccess not needed)
0.096	23-09-2012	Fixed encoding bug (admin) Fixed wrong domain count (client) Fixed other minor bugs (client/admin)
0.097	07-10-2012	Fixed bug in search domains/ user (admin) Rewrote initializing script (admin) Fixed mixed content error (client)
0.098	25-04-2013	Fixed multiple bugs in templating system (client) Added template default in client menu (client) Fix several GUI/CSS issues Added possibily to to change type of domain in zone file details Started implementing API (experimental, not finished) Added extra debug for removing AAAA line in customer template Removed check_pdns.php
0.099	05-06-2013	Redesign customer interface Rewrite of pdns.php hook: now generates three possible zone files Fix five major bugs (client/ admin) Removed API
0.100	12-06-2013	Fixed numerous bugs Updated manual Removed extra directory
0.101	16-06-2013	Fixed seven bugs in client interface
0.102	20-09-2013	Fixed several minor bugs
0.103	01-02-2014	Addon is now compatable wath latest release Cleaned up source code Removed external DB class Fixed minor bugs (client/admin) Removed history tab, info now in Activitylog

9. Todo

Based on requests of customers and our own list, we currently have these features in store:

Release 0.010
- Support for DNS Sec
Info: http://doc.powerdns.com/powerdnssec-auth.html

10. About Us

PowerDNS for WHMCS™ is under active development by Content People of the Netherlands. Our company has been specializing in content for traditional printed media, software development, project management and web design.

Content People was founded back in the nineties by the Tilburg based Internet Service Provider Dohmen Internetservices (Ned.) BV. After outsourcing the hosting business we redeveloped our web content business.

The past years we developed a growing number of applications for webhosting: File-Robot (for serving files to potential customers), WebCurriculum (a handy script for generating resumes), MB-Panel (a small business server based on the Western Digital MyBook) and other scripts.

We currently maintain and develop scripts for WHMCS: PowerDNS for WHMCS™, VAT (for collecting data on paid VAT), Advanced Addon (for creating addons with a special bite) and Pay Me (a module for adding a fee when people pay with certain payment gateways).

Our team is specialized in PHP, MySQL, HTML(5) and Javascript.

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All licenses are issued instantly upon receipt of payment. Should your payment turn out to be fraudulent, the license will be suspended and you will be expected to repay the amount + any fees incurred.
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12. Refunds Policy: Refunds are never issued

13. If any provision of this EULA shall be prohibited by law or adjudged by a court to be unlawful, void or unenforceable such provision shall to the extent required be severed from this EULA and rendered ineffective as far as possible without modifying the remaining provisions of this EULA and shall not in any way affect any other circumstances of or the validity or enforcement of this EULA.

14. Content People undertakes to comply with the provisions of the Data Protection Act 1998 and any related legislation in so far as the same relates to the provision of the Software and related support services by Content People to you.

Your name, address and other personal information as well as any personal data you supply to Content People in order for Content People to provide the Software and related services related to you will be stored by Content People on its computer system and may be made available to Content People staff and related third parties as required to allow the provision of support and any related services to be completed. Any third party that receives personal data from Content People is under an obligation to process such personal data in line with the Data Protection Act 1998.

15. Each party irrevocably agrees that the courts of the country of the Netherlands shall have exclusive jurisdiction to resolve any controversy or claim of whatever nature arising out of or in relation to this EULA and the place of performance of this EULA shall be the Netherlands and that the laws of that country shall govern such controversy or claim.

Glossary

C

Control Panel
A control panel, in webhosting, is a web-based interface provided by the hosting company that allows customers to manage their various hosted services in a single place.

Cpanel
cPanel is a Unix based web hosting control panel that provides a graphical interface and automation tools designed to simplify the process of hosting a web site. cPanel utilizes a 3 tier structure that provides functionality for administrators, resellers, and end-user website owners to control the various aspects of website and server administration through a standard web browser.

D

DirectAdmin
DirectAdmin is a graphical web-based web hosting control panel designed to make administration of websites easier.

DNS
The Domain Name System (DNS) is a hierarchical distributed naming system for computers, services, or any resource connected to the internet or a privat network It associates various information with domain names assigned to each of the participating entities.

A Domain Name Service resolves queries for these names into IP-addresses for the purpose of locating computer services and devices worldwide. By providing a worldwide, distributed keyword-based redirection service, the Domain Name System is an essential component of the functionality of the internet.

Domain Names
A domain name is an identification string that defines a realm of administrative autonomy, authority, or control on the internet. Domain names are formed by the rules and procedures of the Domain Name System (DNS).

I

IP-address
An Internet Protocol address (IP address) is a numerical label assigned to each device (e.g., computer, printer) participating in a computer network that uses the internet protocol for communication. An IP address serves two principal functions: host or network interface identification and location addressing.

P

Plesk
The Parallels Plesk Panel (ex: Parallels Plesk Control Panel, Plesk Server Administrator, PSA,or just Plesk) software package is a commercial web hosting automation program. Originally released under the U.S. company Plesk Inc. and designed in Russia.

PowerDNS

The PowerDNS authoritative server is the only solution that enables authoritative DNS service for a wide range of databases (including flat text files).

W

Webhosting

A web hosting service is a type of internet hosting service that allows individuals and organizations to make their website accessible via the World Wide Web.

WHMCS

WHMCS is an all-in-one client management, billing and support solution for online businesses. WHMCS handles everything from signup to termination, with automated billing, provisioning and management.

Z

Zone file

A zone file is a text file that describes a DNS zone. A DNS zone is a subset, often a single domain, of the hierarchical domain name structure of the DNS. The zone file contains mappings between domain names and IP addresses and other resources, organized in the form of text representations of resource records (RR). A zone file may be either a DNS master file, authoritatively describing a zone, or it may be used to list the contents of a DNS cache.

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